

The listing of claims will replace all prior versions and listing of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A multi-channel induction accelerator, comprising:

an injector block;

a drive source;

output systems; and

a multi-channel induction acceleration block, which is made in the form of an aggregate of one-channel linear induction acceleration blocks (including those that are placed parallel with one to other), each of which is made in the form of a sequence of linearly connected acceleration sections, each of which, in turn, is made in the form of one or more magnetic inductors, ~~enveloped by conductive screening~~ each linearly connected acceleration section being enveloped by a separate conductive screen and at least one of the separate conductive screens being made in such a manner that it envelops at least two acceleration sections which belong to different one-channel linear induction acceleration blocks.

Claim 2 (cancelled).

Claim 3 (original): The multi-channel induction accelerator of claim 2, in which:

the multi-channel induction acceleration block is composed in accordance with the design scheme of the acceleration block of the multi-channel induction linear accelerator.

Claim 4 (original): The multi-channel induction accelerator of claim 2, in which:

the multi-channel induction acceleration block is configured in accordance with the design scheme of the acceleration block of the multi-channel induction undulation accelerator.